

WHAT IS CLAIMED IS:

1. A non-magnetic mono-component color toner comprising a toner mother particle, and a coating layer formed on the toner mother particle,
5 wherein the coating layer comprises a fatty acid metal salt having average particle size of 0.05 to 3.0 μm , a first organic particle having average particle size of 0.3 to 2.0 μm , a second organic particle having average particle size of 0.05 to 0.25 μm , and silica having average particle size of 0.006 to 0.04 μm .
- 10 2. The non-magnetic mono-component color toner according to Claim 1, wherein the color toner has average particle size of 3.0 μm to 20 μm , and aspect ratio of short radius against long radius of 0.3 to 0.8
3. The non-magnetic mono-component color toner according to Claim 1,
15 wherein the thickness of the coating layer is 30 nm to 2.0 μm .
4. The non-magnetic mono-component color toner according to Claim 1, wherein the fatty acid metal salt has average particle size of 0.5 to 1.5 μm .
- 20 5. The non-magnetic mono-component color toner according to Claim 1, wherein the fatty acid metal salt is a salt prepared by a fatty acid with 4 to 20 carbon atoms, and a metal selected from the group consisting of Na, K, Al, Ca, Zn, Mg, Co, Fe, Mn, Ba, Vd and Sn.
- 25 6. The non-magnetic mono-component color toner according to Claim 5, wherein the fatty acid is at least one selected from the group consisting of

caproic acid, caprylic acid, capric acid, lauric acid, myristic acid, millistrike oleic acid, palmitic acid, palmitoleic acid, stearic acid, oleic acid, linoleic acid, linolenic acid, arachidic acid, arachidonic acid, beheic acid, elchaic acid, montenic acid, iso-stearic acid, and epoxy stearic acid..

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7. The non-magnetic mono-component color toner according to Claim 5, wherein the fatty acid metal salt includes metal in the amount of 2.0 to 10 wt%.

8. The non-magnetic mono-component color toner according to Claim 5,
10 wherein the fatty acid metal salt is contained in the amount of 0.1 to 2.0 parts by weight with respect to the toner mother particle of 100 parts by weight.

9. The non-magnetic mono-component color toner according to Claim 1,
15 wherein the first organic particle has average particle size of 0.4 to 2.0 μm .

10. The non-magnetic mono-component color toner according to Claim 1,
wherein the second organic particle has average particle size of 0.1 to 0.15 μm .

11. The non-magnetic mono-component color toner according to Claim 1,
20 wherein the first organic particle and the second organic particle are the same material or of different materials.

12. The non-magnetic mono-component color toner according to Claim 1,
wherein the first organic particle and the second organic particle are

25 (a) a homopolymer or a copolymer prepared by one or more monomer selected from the group consisting of: styrenes such as styrene, methyl styrene, dimethyl styrene, ethyl styrene, phenyl styrene, chloro styrene, hexyl styrene, octyl styrene, and nonyl styrene; vinylhalides such as

vinylchloride and vinylfluoride; vinylesters such as vinylacetate and vinylbenzoate; methacrylates such as methylmethacrylate, ethyl methacrylate, propyl methacrylate, n-butyl methacrylate, iso-butyl methacrylate, 2-ethylhexyl methacrylate, and phenyl methacrylate; acrylic acid derivatives such as acrylonitrile, and methacrylonitrile; acrylates such as methylacrylate, ethylacrylate, butylacrylate, and phenylacrylate; tetrafluoroethylene; and 1,1-difluoroethylene; or

(b) a mixture of a polymer selected from the group consisting of the homopolymer and the copolymer, and a resin selected from the group consisting of styrene-based resin, epoxy-based resin, polyester-based resin, and polyurethane-based resin.

13. The non-magnetic mono-component color toner according to Claim 1, wherein the first organic particle and the second organic particle are respectively contained in the amount of 0.1 to 1.5 parts by weight with respect to toner mother particle of 100 parts by weight.

14. The non-magnetic mono-component color toner according to Claim 1, wherein the silica has average particle size of 0.01 to 0.02 μm .

15. The non-magnetic mono-component color toner according to Claim 1, wherein the silica is plain silica, or modified silica which is prepared by treatment of the surface with a modifying agent selected from the group consisting of dimethyldichlorosilane, dimethylpolysiloxane, hexamethyldisilazane, aminosilane, alkylsilane of C1 to C20, and octamethylcyclotetrasiloxane.

16. The non-magnetic mono-component color toner according to Claim 1, wherein the toner mother particle further comprises a binder resin and colorant.

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17. The non-magnetic mono-component color toner according to Claim 17, wherein the binder resin is at least one selected from the group consisting of polystyrene-based resin, polyester-based resin, polyethylene resin, polypropylene resin, styrene-alkylacrylate copolymer of C1 to C18, styrene-alkylmethacrylate copolymer, styrene-acrylonitrile copolymer, styrene-butadiene copolymer, and styrene-maleate copolymer.

18. The non-magnetic mono-component color toner according to Claim 16, wherein the colorant is one selected from the group consisting of cyan, magenta, yellow and black pigments and dyes.

19. A method of preparation of non-magnetic mono-component color toner comprising the steps of:

putting a toner mother particle into a mixer, and
mixing by addition of a fatty acid metal salt having average particle size of 0.05 to 3.0 μm , a first organic particle having average particle size of 0.3 to 2.0 μm , a second organic particle having average particle size of 0.05 to 0.25 μm , and silica having average particle size of 0.006 to 0.04 μm to form the coating layer on the toner mother particle.

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20. The method of preparation of non-magnetic mono-component color

toner according to Claim 19, wherein the color toner comprises the toner mother particle of 100 parts by weight, the fatty acid metal salt of 0.1 to 2.0 parts by weight, the first organic particle of 0.1 to 1.5 parts by weight, the second organic particle of 0.1 to 1.5 parts by weight, and the silica of 1.0 to 4.0 parts by weight.

21. The method of preparation of non-magnetic mono-component color toner according to Claim 19, wherein the mixer is selected from the group consisting of HENSCHER mixer, a turbin type stirrer, a super mixer, and hybridizer.

22. The method of preparation of non-magnetic mono-component color toner according to Claim 19, wherein the mixing step is performed at tip speed of 10 to 30 m/sec.